

Exhibit P-10, Advance Procurement Requirements Analysis (Page 1 - Funding)							Date: Feb-04						
Appropriation (Treasury)Code/CC/BA/BSA/Item Control Number 1711 Shipbuilding and Conversion, Navy/BA 02/BLI 211100							P-1 Line Item Nomenclature SSN Engineered Refueling Overhauls (EROs)						
Los Angeles (SSN 688) Class Submarines Submarine Refueling Overhauls (ERO): SSN 713/SSN 715 (FY02), SSN 698/SSN 714 (FY03), SSN 699/SSN 717 (FY04), SSBN 730 (FY05) & SSBN 731 (FY06) - FY03 & prior				First System Award Date Feb-00			First System Completion Date Feb-04						
(\$ in Millions)	PLT	When Req'd	Prior Years	FY03	FY04	FY05							Total
End Item Qty													
PLANS - FY02 EROs (1)		Various	58.8	-	-	-							-
PLANS - FY03 EROs (1)		Various	80.0	-	-	-							
PLANS - FY04 EROs (1)		Various	3.1	-	-	-							
PLANS - FY05 EROs (1)		Various	-	9.8	10.3	-							
PLANS - FY07 EROs (1)		Various	-	-	-	19.4							
ORDNANCE - FY05 ERO (2)		Various	70.6	-	-	-							
ORDNANCE - FY06 ERO (2)		Various	5.0	52.9	-	-							
TOTAL AP			217.5	62.7	10.3	19.4							19.4
<p>(1) PLANS AP: Submarine Engineered Refueling Overhauls (EROs) are complex, short duration availabilities performed to extend the useful life of the vessel. Average duration of an ERO is 24 months with a production period of less than 15 months. Unlike ships under construction EROs are preformed on assembled hulls with limited access. The unique sensitive and safety (SUBSAFE) nature of submarine repair and refueling efforts dictates that the availability must be thoroughly and carefully integrated in advance to minimize disruptions and delays. The production period at the beginning of the ERO is extraordinarily labor intensive advance Procurement (AP) is essential for timely & cost-efficient execution.</p> <p>(2) ORDNANCE AP: Required to procure shipboard hardware needed to upgrade TRIDENT I (C4) configured SSBN 730 & SSBN 731 to TRIDENT II (D5) capability. The following page contains a detailed breakout of these costs.</p> <p>FY 2004 - The \$3.1M in Advance Procurement is unique, non-recurring AP for rescheduled EROs. These sunk costs, not directly attributable to the two FY2004 EROs, are included for accounting purposes only.</p>													
FY04 Congressional direction split SSN & SSBN ERO funding in FY04 & out. FY03 & prior SSBN ERO AP in FY02 & FY03 still remains in 211100.													

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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number: 1711 Shipbuilding and Conversion, Navy/BA 2 - Other Warships/211100								P-1 Line Item Nomenclature: SSN Engineered Refueling Overhauls (EROs)						
OHIO (SSBN 726) Class Submarines				First System (BY1) Award and Completion Date: January 2002 - October 2004				Interval between Systems: One Year						
(\$ in Millions)														
	PLT in Months	When Required	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
End Item Qty								1	1					2
CFE/Ordnance:														
<i>System Integration</i>	12-36	FY 05/06			4.0	2.0								6.0
<i>Launcher & Handling</i>	12-48	FY 05/06			60.6	24.9								85.5
<i>Fire Control</i>	12-24	FY 05/06				17.0								17.0
<i>Navigation</i>	24-48	FY 05/06			8.0	2.0								10.0
<i>Instr/Missile Checkout</i>	24	FY 05/06				4.0								4.0
Other Advance Proc:														
<i>Advance Planning</i>	12-36	FY 05/06			3.0	3.0								6.0
Total Advance Procurement					75.6	52.9								128.5
<p>Description:</p> <p>System Integration Adv. Proc. - Required to fund procurement and staging of long lead-time material needed to support the D5 Backfit Work Package. Items to be procured include special tooling and test equipment, jigs, mockups and handling fixtures.</p> <p>Launcher & Handling Adv. Proc. - Required to fund procurement of 24 sets of shipboard launcher equipment (including the launch tube group, vertical support group, umbilical group, ejector group and firing group) for each D5 Backfit hull, and procurement of launcher expendables (gas generators and launch tube closures) and launch control groups for both the SSBN 730 and SSBN 731.</p> <p>Fire Control Adv. Proc. - Required to fund procurement of a MK-98 Mod 4 Fire Control System (and associated installation and checkout tooling and test equipment) for both the SSBN 730 and SSBN 731.</p> <p>Navigation Adv. Proc. - Required to fund procurement of one shipset of navigation subsystem equipment for each D5 Backfit hull.</p> <p>Instrumentation & Missile Checkout Adv. Proc. - Required to fund procurement of two TRIDENT II M240R Data Recording Systems (one for each of the D5 Backfit hulls) and one shipset of handling and checkout equipment for both SSBNs 730 and 731.</p> <p>Advance Planning - Required to provide for Shipyard training, schedule/resource analyses and manloading studies, transition of D5 Backfit Work Package drawings to Task Group Instructions; and for final assembly, staging and storage of installation material.</p>														

Exhibit P-10, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)										Date: February 2004		
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(TOA, \$ in Millions)												
	PLT	QPA	Unit Cost	FY 04 Qty	FY 04 Contract Forecast Date	FY 04 Total Cost Request	FY 05 Qty	FY 05 Contract Forecast Date	FY 05 Total Cost Request			
End Item				2	October-03		0	N/A				
PLANS (1) FY05 ERO						10.3						
PLANS (1) FY07 ERO									19.4			
ORDNANCE (2) FY05 ERO												
ORDNANCE (2) FY06 ERO												
Total AP						10.3			19.4			
(1) PLANS AP consists of developing work packages and general engineering design for submarine maintenance, repair, and refueling.												
(2) ORDNANCE AP is required to procure shipboard hardware needed to upgrade TRIDENT I (C4) configured SSBN 730 to TRIDENT II (D5) capability. The following pages contain a detailed breakout of these costs.												

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(TOA, \$ in Millions)									
	PLT in months	QPA	Unit Cost	FY 2002 Qty	FY 2002 Contract Forecast Date	FY 2002 Total Cost Request	FY 2003 Qty	FY 2003 Contract Forecast Date	FY 2003 Total Cost Request
End Item Qty		N/A				N/A			N/A
CFE/Ordnance:									
<i>System Integration</i>	12-36	1 Lot	27.0	1 Lot	2 nd Quarter FY 02	4.0	1 Lot	1 st Quarter FY 03	2.0
<i>Launcher & Handling</i>	12-48	1 Shipset	72.6	1 Shipset	2 nd Quarter FY 02	60.6	Partial	1 st Quarter FY 03	24.9
<i>Fire Control</i>	12-24	1 Shipset	19.8	N/A	N/A	0.0	1 Shipset	1 st Quarter FY 03	17.0
<i>Navigation</i>	24-48	1 Shipset	8.9	2 Shipsets	2 nd Quarter FY 02	8.0	2 Shipsets	1 st Quarter FY 03	2.0
<i>Instr/Missile Checkout</i>	24	1 Shipset	11.0	N/A	N/A	0.0	1 Shipset	1 st Quarter FY 03	4.0
Other Advance Proc:									
<i>Advance Planning</i>	12-36	N/A	10.7	N/A	2 nd Quarter FY 02	3.0	N/A	1 st Quarter FY 03	3.0
Total Advance Procurement						75.6			52.9
Description:									